

Work Order ID 162737

Monday, July 03, 2017 11:59:35 AM

162737

Page 1

Item ID: D412-702-021 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness, 4 Point Attachment, 13 Man Configuration
Start Date: 6/27/2017 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 6/28/2017 Req'd Qty: 1.00 ***1*** Customer: VAVIO01
Reference: RMA RA112510
Approvals: Process Plan:  Date: JUL 03 2017 Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9559	A								
DSI9766	A								
IIN-D412-702-1	A								
100	Document Control	0.00							DAS 28 9-89
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	-Photocopy bluefile and create labels per PPP D412-702-021 CHG004								AUG 25 2017
110	QC5- Inspect part completeness to step on W/O	0.00							
110									DAS 9 9-89
QC	Memo	0.00							D 12-08-04
Quality Control	-Inspect RA112510 B: 155014 -Parts missing from, • D3619-2 KIT								

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Item ID: D412-702-021 **Accept** ***N900040100*** **Setup Start** ***NS1***
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Item Name: Shoulder Harness, 4 Point Attachment, 13 Man Configuration
Start Date: 6/27/2017 **Start Qty:** 1.00 ***1*** **Cust Item ID:**
Required Date: 6/28/2017 **Req'd Qty:** 1.00 ***1*** **Customer:** VAVIO01
Reference: RMA RA112510

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start** ***NR1***
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Pick Kit	0.00							
120									
Packaging	Memo	0.00							
Packaging	-Parts missing from, • D3619-2								
	-Add missing parts and repackage as per PPP.								
130	QC3- Inspect part completeness to step on W/O	0.00							
130									
QC	Memo	0.00							
Quality Control	-Assure kit is complete.								
140	Identify as per dwg & Stock Location: _____	0.00							
140									
Packaging	Memo	0.00							
Packaging	-Stock with new batch number at CHG 004. -Add new labels and paper work.								

DAS
27
9-89
AUG 28 2017DAS
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AUG 25 2017DAS
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AUG 25 2017

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Item ID: D412-702-021**Accept*****N900040100*****Setup Start *NS1*****Revision ID:****Stop *NS2*****Item Name:** Shoulder Harness, 4 Point Attachment, 13 Man Configuration**Start Date:** 6/27/2017 **Start Qty:** 1.00 ***1*****Cust Item ID:****Required Date:** 6/28/2017 **Req'd Qty:** 1.00 ***1*****Customer:** VAVIO01**Reference:** RMA RA112510**Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start *NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop *NR2*****Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp**

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Memo

0.00

Quality Control

17/9/5 

AUG 28 2017

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9-88

Picklist Print

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Work Order ID: 162737

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Parent Item: D412-702-021

D412-702-021

Parent Item Name: Shoulder Harness,4 Point Attachment,13 Man Configuration

Start Date: 6/27/2017

Required Date: 6/28/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:B Removed Manufacturing 05-11-08 JLM
 IPP Rev:C06.04.03As per DSI9324 JLM
 IPP rev D 06.12.14 per ecn 871 EC
 IPP Rev:E 07-03-14 As per DSI 9351 JLM
 IPP Rev:F 07-07-28 As per Rev E JLM Verified By:ec IPP Rev.G
 11.05.31 DSI 9559 EC verified by:JLM IPP REV:H 17.03.13
 AS PER DSI9766-011 DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3619-2

Manufactured No

Each 5.0000

1

D3619-2

**

Grommet

DAS
28
9-89

Location

Loc Qty

Loc Code

ST043

5

158694

5

Each

1.0000

D412-702-021

Manufactured No

D412-702-021

**

Shoulder Harness,4 Point Attachment,13 Man Configuration

B: 155014

Location

Loc Qty

Loc Code

FG029

1

158984

1

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28
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DAS
27
9-89

AUG 25 2017

JUL 03 2017

AUG 25 2017

Inspection Sheet Complete **RA112510**

Customer QA Ref #

0

Part Number	Batch / Serial #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Work order #	Work order instructions
D412-702-021	B155014	1	☐ Yes	☐ Yes	☒ Yes	☒ Yes	STOCK	162737	Kit was open by customer. Parts missing from, • D3619-2T1 • D3619-2T2 • D3619-2T3 • D3619-2T4 Add missing parts and repackage as per PPP. Assure kit is complete. Stock with new batch number at CHG 004. Add new labels and paper work.
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			
0		0	☐ Yes	☐ Yes	☐ Yes	☐ Yes			

QC Approval: P.D.

Date: 9-Jun-17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																									
DSH 15-041 2612-3				SH 13 DSH 19-2																																																													
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER :			
Misidentified ☐	Past Due ☐																																																																

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N900040100Setup Start ***NS1***

Revision ID:

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Start Date: 6/27/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 6/28/2017 Req'd Qty: 1.00

1

Customer: VAVIO01

Reference: RMA RA112510

Approvals: Process Plan:  Date: JUL 03 2017

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI9559	A								
DSI9766	A								
IIN-D412-702-1	A								

100

Document Control

0.00

100

DC

Memo

0.00

Doc. Control - USB or Paperwork

-Photocopy bluefile and create labels per PPP D412-702-021 CHG004

110

QC5- Inspect part completeness to step on W/O

0.00

110

QC

Memo

0.00

Quality Control

-Inspect RA112510 B: 1550 M
-Parts missing from,
• D3619-2 KIT

DAS

9

4-89

 12-08-04



Transport
Canada

Transports
Canada

Department of Transport

Supplemental Type Certificate

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario
Canada K6A 1K7

Number: SH04-7

Issue No.: 3

Approval Date: February 06, 2004

Issue Date: March 09, 2006

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

BELL 205A-1, 205B, 212, 214B, 214B-1, 412, 412 CF, 412 EP

Canadian Type Certificate or Equivalent:

BELL 205B H-104
BELL 214B, 214B-1 H-80
BELL 212, 412, 412 CF, 412 EP H-86
BELL 205A-1 H1SW

Description of Type Design Change:

Shoulder Harness Kits

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacture of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. MDL-D412-702, Revision B, approved Jan 17 2006, or later approved revisions.

Installation of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. IIN-D412-702, Revision C, approved Mar 07 2006, or later approved revision.

Maintenance of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. ICA-D412-702, Revision 2, Transport Canada accepted Mar 09 2006, or later Transport Canada accepted revisions.

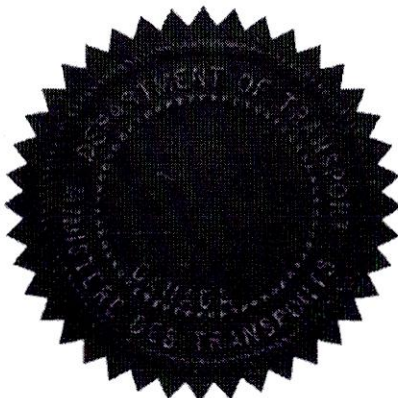
Operation with the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. FMS-D412-702, Revision C, Transport Canada approved Mar 09 2006, or later Transport Canada approved revisions.

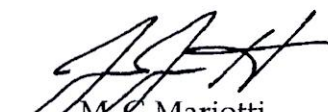
Basis of Certification:

The basis of certification for this modification was FAR 29, up to and including Amendment 29-47, except for 29.561, 29.562, and 29.785 at Amendment 29-11.

- End -

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.




M. G. Mariotti
For Minister of Transport

Canada